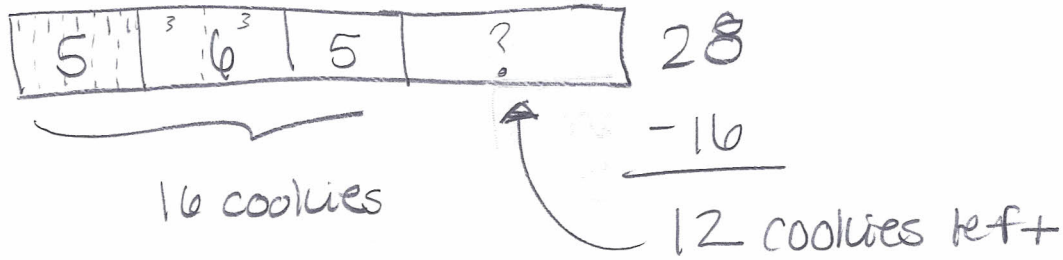


The Cookie Problem (3rd Grade)

Box method - or - Singapore math method.



$$12 \div 2 = 6 \text{ kids ate } 2 \text{ cookies each.}$$

The Cookie Problem (3rd Grade)

An array

$$28 = 4 \times 7$$

5 ate 1

2 ate 3

1 ate 5

how many
ate 2?



6 groups of 2 left.

6 kids ate 2 cookies each.

The cookie Problem (3rd Grade)

$$28 - 5(1) - 2(3) - 1(5)$$

$$28 - 5 - 6 - 5 = 12$$

$$\begin{array}{r} 6 \\ 2 \overline{) 12} \\ \underline{-12} \\ \hline \end{array}$$

6 kids ate 2 cookies each.

The Cookie Problem (3rd Grade)

Equation

total cookies

$$28 = 5(1) + 2(3) + 1(5) + x(2)$$

$$28 = 5 + 6 + 5 + 2x$$

$$\begin{array}{r} 28 = 16 + 2x \\ -16 \quad -16 \\ \hline \end{array}$$

$$\begin{array}{r} 12 = 2x \\ 2 \quad 2 \end{array}$$

$$6 = x$$

6 kids ate 2 cookies each.

The Cookie Problem (3rd Grade)

Equation - option #2

$$\frac{28 - 5(1) - 2(3) - 1(5)}{2} = \frac{28 - 16}{2} = \frac{12}{2} = 6$$

6 kids ate 2
cookies each.

1	1	1	1	1	3
5	2	2	2	2	2
2	2	2	2	2	20
2	2	2	2	2	2

$$5 \times 1 = 5$$

$$2 \times 3 = 6$$

$$1 \times 5 = 5$$

16	28
- 16	
<hr/>	